Lafferty Equipment Manufacturing, LLC
Installation & Operation Instructions

Model # 927105 · Electric 1.5 PD Sprayer

REQUIREMENTS

Ready-to-Use Chemical Solution	
Temperature	up to 160°F
Hose	1/2" ID x 50'
Nozzle	2515
Electric	120V

OPTIONS

Stainless Steel Hose Racks	
Small Stainless Steel Hose Rack	# 224145
Heater Assembly	
Retro-Fit Heater Assembly	# 720976

Lafferty
EQUIPMENT MANUFACTURING LLC

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WARNING! READ ALL INSTRUCTIONS BEFORE USING EQUIPMENT!

OVERVIEW

The Electric 1.5 PD Sprayer is a spray applicator for projecting pre-diluted or neat chemical solutions at 1.5 GPM. An electric pump, with Polypropylene body and Santoprene diaphragms for chemical compatibility, draws solution from a static container and provides the pressure to project the solution as a fan pattern spray on to any surface.

SAFETY & OPERATIONAL PRECAUTIONS

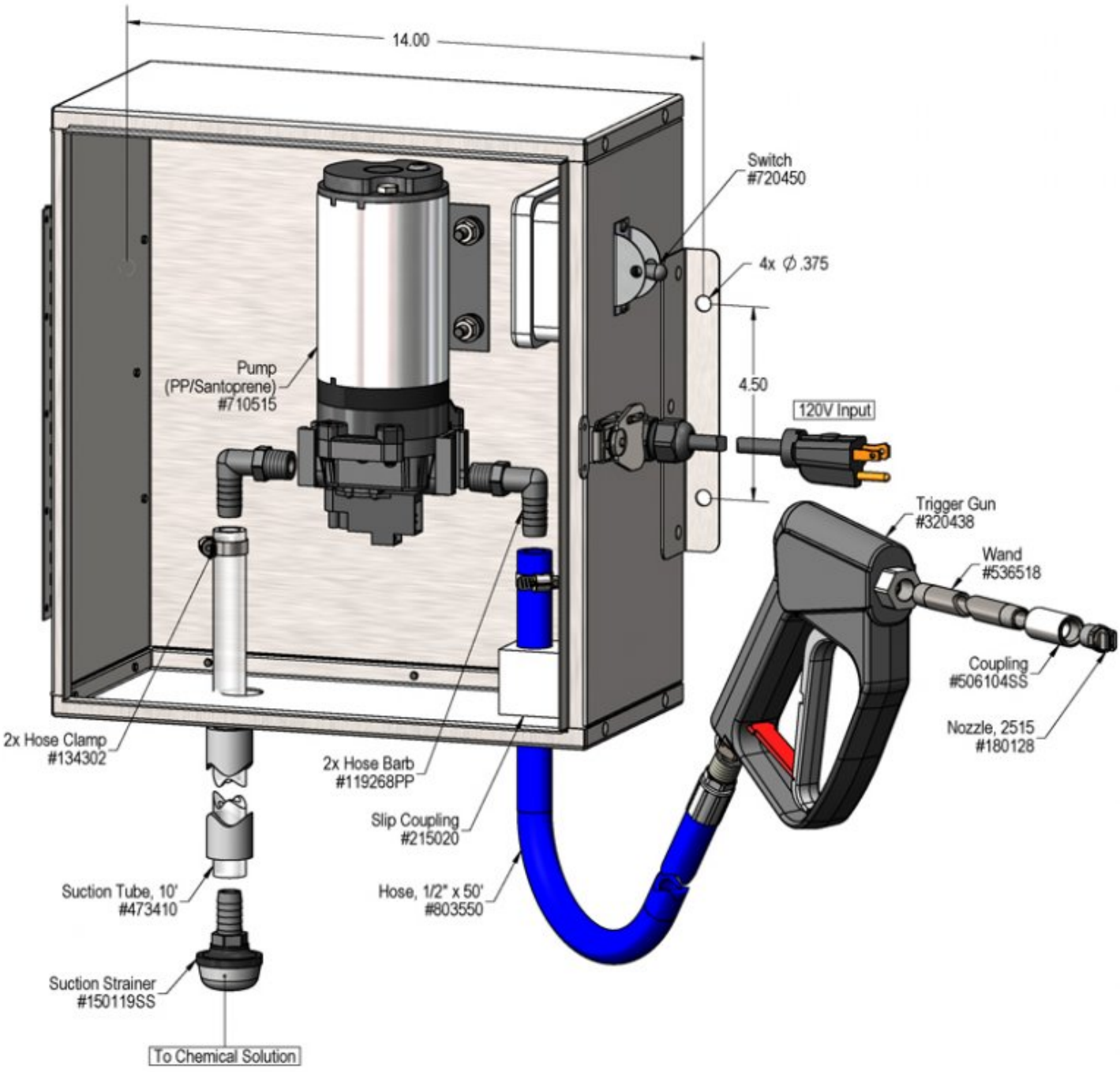
- For proper performance do NOT modify, substitute nozzle, hose diameter or length.
- Manufacturer assumes no liability for the use or misuse of this unit.
- Wear protective clothing, gloves and eye wear when working with chemicals.
- Always direct the discharge away from people and electrical devices.
- Follow the chemical manufacturer's safe handling instructions.
- NEVER mix chemicals without first consulting chemical manufacturer.
- Operate the electric pump according to the limitations specified on the data label.
- Do not use with flammable or hazardous fluids not compatible with Santoprene.
- Always consider electrical shock hazard when working with and handling electrical equipment. If uncertain, consult an Electrician. Electrical wiring should only be done by a qualified Electrician per Local and State Electrical Codes.

TO INSTALL (REFER TO DIAGRAM ON NEXT PAGE)

1. Do NOT connect to electricity yet.
2. Mount the unit to a suitable surface above the chemical solution supply to prevent siphoning.
3. Connect the discharge hose as shown in the diagram.
4. Insert chemical solution suction tube into a container of ready-to-use chemical.

TO OPERATE

1. With trigger gun in hand flip the switch to the on position.
2. Pull the trigger gun to begin application.
3. When application is completed, release the trigger.
4. Flip the switch to the off position when not in use.
5. Pull the trigger to relieve pressure in hose.


14.00
Switch
#720450
4x ∅.375
4.50
120V Input
Pump
(PP/Santoprene)
#710515
Trigger Gun
#320438
Wand
#536518
Coupling
#506104SS
Nozzle, 2515
#180128
2x Hose Clamp
#134302
2x Hose Barb
#119268PP
Slip Coupling
#215020
Suction Tube, 10'
#473410
Hose, 1/2" x 50'
#803550
Suction Strainer
#150119SS
To Chemical Solution

Troubleshooting Guide

Problem	Possible Cause / Solution	
	Startup	Maintenance
A) Unit will not pump solution	1,2,3	5,6,7,8
D) Will not draw chemical	1,2,3	5,6,7,8
E) Unit doesn't come on when when button is pushed.	4	5,6,7,8

Possible Cause / Solution

Startup

1. **Power not on or trigger gun not completely open**
   - Completely open trigger gun.
   - Electric problems, ensure unit is plugged in (GFI recommended)
2. **Chemical tube not immersed in chemical solution or chemical depleted**
   - Immerse tube or replenish.
3. **Discharge hose kinked**
   - Straighten the hose.
4. **May have electrical problems**
   - Ensure circuit breaker (5 Amp) has not been tripped.
   - Have a qualified electrician check electrical connections.

Maintenance

5. **Chemical strainer**
   - Clean or replace chemical strainer
6. **Chemical tube stretched out or pin hole/cut in chemical tube**
   - Cut off end of tube or replace tube.
7. **Vacuum leak in chemical pick-up connections**
   - Tighten the connection.
8. **May have pump problems**
   - Refer to pump manual.

PREVENTIVE MAINTENANCE: When the unit will be out of service for extended periods, place chemical tube(s) in water and flush the chemical out of the unit to help prevent chemical from drying out and causing build-up. Periodically check and clean chemical strainer and replace if missing.